

REMARKS

Claims 1-7 are pending in the application.

New claims 8-15 have been added.

The Examiner states that the IDSs filed on October 9, 2002, December 31, 2003 and April 7, 2004 fail to comply with 37 C.F.R. § 1.98(a)(1) because no 1449 forms were provided. Applicant requests that the Examiner review the PTO file because the Examiner provided Applicant with initialed 1449 forms dated July 19, 2004 with the previous Office Action. Courtesy copies of the initialed forms accompany this Response.

PRIOR ART REJECTIONS

The Examiner has rejected claims 1-3, 5 and 6 under 35 U.S.C. § 102(e) as being anticipated by Yamamoto. Applicant traverses these rejections because Yamamoto fails to disclose or suggest all of the claim limitations. Specifically, Yamamoto fails to disclose or suggest at least the following claim limitations:

Claim 1:

an *input stage amplifier for amplifying an input signal;*
a *high-pass filter and a low-pass filter connected to an output of the input stage amplifier;*
a *high-frequency-band last stage amplifier, disposed corresponding to the high-pass filter,* for amplifying a signal of frequency band passed by the high-pass filter; and
a *low-frequency-band last stage amplifier,* disposed corresponding to the low-pass filter, for amplifying a signal of frequency band passed by the low-pass filter.

Applicant first notes that the circuits in Yamamoto appear to be more closely associated with the conventional transmission power amplifier circuits shown in Applicant's figure 2, rather than Applicant's claimed invention. Like the circuits shown in figure 2, Yamamoto discloses

plural circuits having the same structure, i.e., one circuit for one frequency band (the circuit for input IN2) and a second circuit for another frequency band (the circuit for input IN1). Thus, Yamamoto discloses two input stage amplifiers (21 and 11), rather than the common input amplifier. Yamamoto states:

FIG. 1 is a typical circuit diagram of a high frequency power amplifier for a dual band system according to a first embodiment of the present invention. It is to be noted that the dual band system high frequency power amplifier shown in FIG. 1 **comprises two single-stage power amplifiers, one each for GMS 900 and GMS 1800 systems.** Col. 4, lines 53-58. (emphasis added)

Also, because Yamamoto discloses two input stage amplifiers, Yamamoto fails to disclose a high-pass and low-pass filter, both of which are connected to an output of the input stage amplifier.

Next, the Examiner asserts that Yamamoto discloses a high-frequency-band last stage amplifier and a low-frequency-band last stage amplifier. However, the Examiner has not identified any specific components/circuits that allegedly comprise the two amplifiers.

Regarding claims 2, 3, 5 and 6, they should be allowable at least based on their dependence from claim 1 for the reasons described above.


The Examiner has rejected claims 4 and 7 under 35 U.S.C. § 103(a) as being unpatentable over Yamamoto in view of Dent. Applicant traverses these rejections because the combination of Yamamoto and Dent fails to disclose or suggest all of the claim limitations as arranged in claim 1. Claims 4 and 7 should be allowable at least based on their dependence from claim 1 for the reasons described above.

Furthermore, Applicant's newly submitted claims 8 to 15 are patentable over the cited references due to their novel and unobvious features, which are neither taught or suggested by the cited art.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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